Mo Barati

Software Engineer

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With valid (ILR) Card

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Result-oriented Software engineer with strong expertise in Java object-oriented programming and Python data structures with practical experience in databases design such as MySQL and MongoDB. Skilled in cloud computing deployment, systems analysis with UML, and implementation of security protocols. Proficient in web development (HTML/CSS/PHP), networking, and machine learning applications. Highly motivated to foster group collaboration to achieve company goals.

Core Competencies

- ✓ Java programming expertise - OOP concepts, RESTful APIs, concurrent applications, Spring Boot framework for microservices and enterprise applications
- ✓ Python data structures implementation - arrays, linked lists, trees, algorithms
- ✓ Relational database design - ER modeling, SQL, normalization principles
- ✓ Cloud deployment - Docker, Kubernetes, Google Cloud, AWS environments
- ✓ Systems analysis - UML modeling, methodical approach to system architecture
- ✓ Information security - cryptography, access control, intrusion detection
- ✓ Web development - PHP, HTML, CSS for dynamic applications
- ✓ Network programming - protocols, socket-based communication in Python
- ✓ AI applications - machine learning techniques for classification problems
- ✓ Computer architecture - processors, memory systems, operating principles
- ✓ Software engineering - Agile methodologies, comprehensive testing
- ✓ Professional ethics - data protection, intellectual property considerations
- ✓ Collaborative mindset - team-oriented approach, continuous learning

Education & Certifications

2020 – 2024

BSc (Hons) Computer Science
Birkbeck University of London, England

2024 –Dec

AWS re/Start Cloud Computing Program (December 2024)
Professional certification in AWS infrastructure, security, and deployment

University Skills:

Java (OOP, inheritance, polymorphism, RESTful APIs), Python (data structures, algorithms), Database Management (SQL, ER modeling, normalization), Cloud Computing (Docker, Kubernetes, Google/AWS), Web Development (PHP, HTML, CSS), Systems Analysis (UML modeling), Information Security (cryptography, access control), AI/ML (classification, decision-making), Networking (protocols, socket programming), Agile methodologies, Software Engineering (SDLC, testing), Computer Architecture, Professional Ethics

Languages

Persian

Native

English

Expert